

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 (original). A device for producing at least one SiC single crystal, comprising:

a crucible and a heater device configured outside of said crucible;

said crucible having a crucible inner zone, at least one storage area for holding a stock of solid SiC, and at least one crystal area for holding at least one SiC seed crystal onto which an SiC single crystal grows;

said crucible having a side that faces said crucible inner zone;

said side being lined with a foil that includes a material selected from the group consisting of tantalum, tungsten, niobium, molybdenum, rhenium, iridium, ruthenium, hafnium, and zirconium.

2 (original). The device according to claim 1, wherein said foil has a thickness of up to 200 μm .

3 (original). The device according to claim 2, wherein said crucible is at least substantially made from graphite.

4 (original). The device according to claim 1, wherein said crucible is at least substantially made from graphite.

5 (original). The device according to claim 1, wherein said heater device is an inductive heater device.

6 (original). The device according to claim 1, wherein said crucible has a double-walled design.

7 (new). A device for producing at least one SiC single crystal, comprising:

a crucible and a heater device configured outside of said crucible;

said crucible having a crucible inner zone, at least one storage area for holding a stock of solid SiC, and at least one crystal area for holding at least one SiC seed crystal onto which an SiC single crystal grows;

said crucible having a side that faces said crucible inner zone;

said side being lined with a foil that includes a material selected from the group consisting of tantalum, tungsten, niobium, molybdenum, rhenium, iridium, ruthenium, hafnium, and zirconium, said foil provided for expanding under temperature for sealing off said crucible.

8 (new). The device according to claim 7, wherein said foil expanding by up to 10% due to the temperature.

9 (new). The device according to claim 7, wherein said foil is lined loosely against said side of said crucible for allowing said foil to expand under effects of temperature.

10 (new). The device according to claim 7, wherein said foil is not attached to said side of said crucible for allowing said foil to expand under effects of temperature.